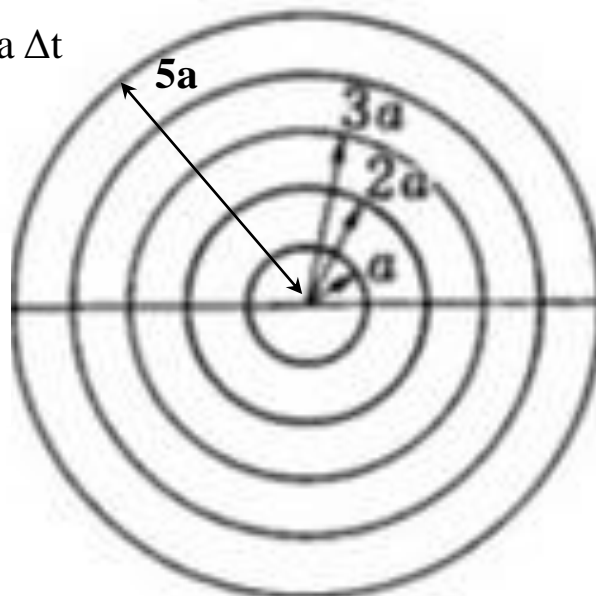


$$\mathbf{M=0} \text{ , } \mathbf{u = 0}$$

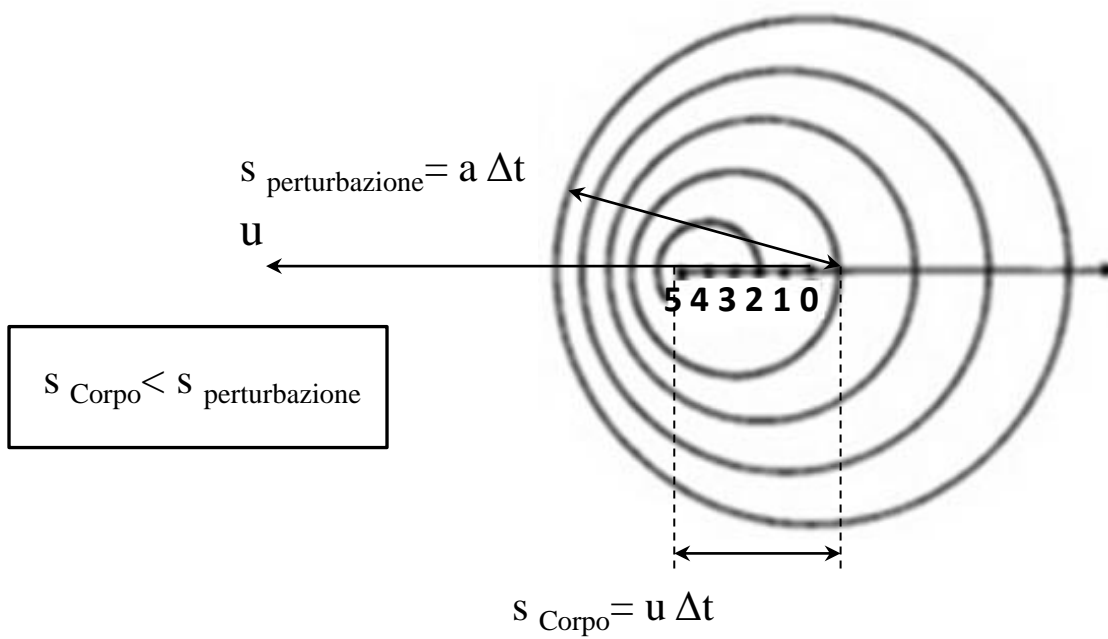
$$s_{\text{perturbazione}} = a \Delta t$$



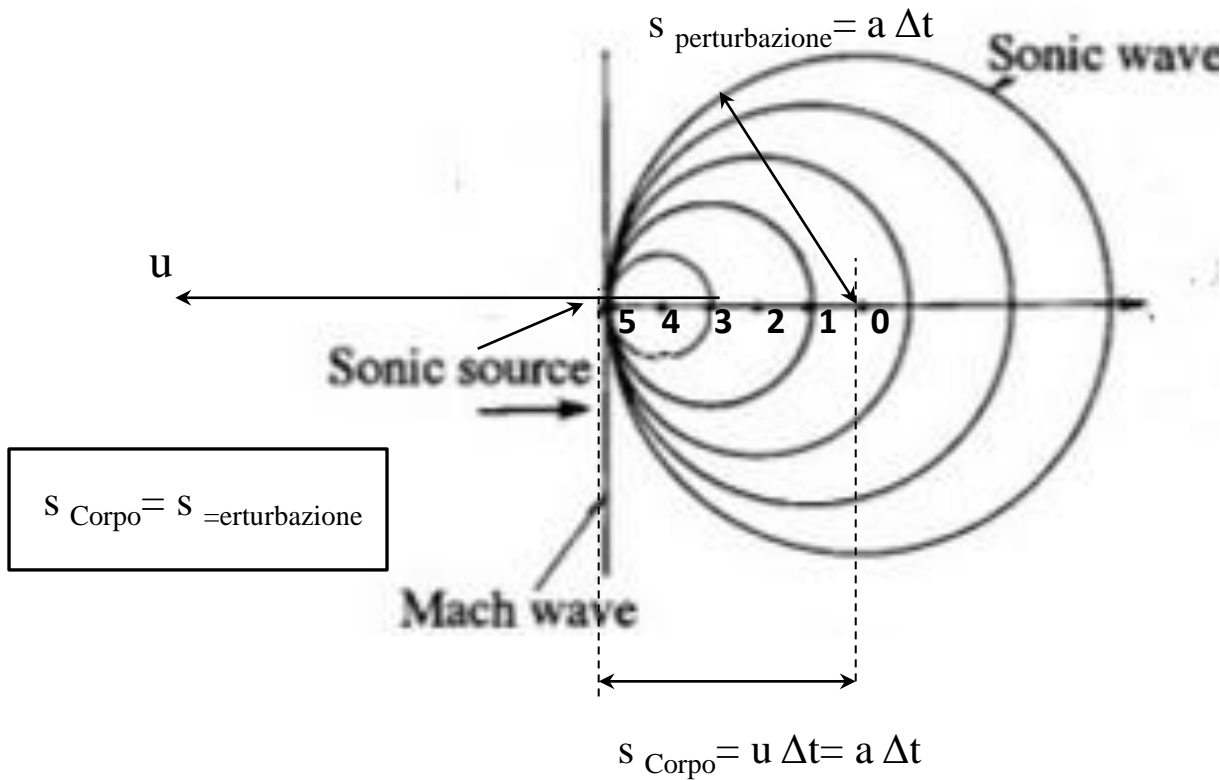
$$0 = s_{\text{Corpo}} < s_{\text{perturbazione}}$$

$$s_{\text{Corpo}} = u \Delta t = 0 \Delta t = 0$$

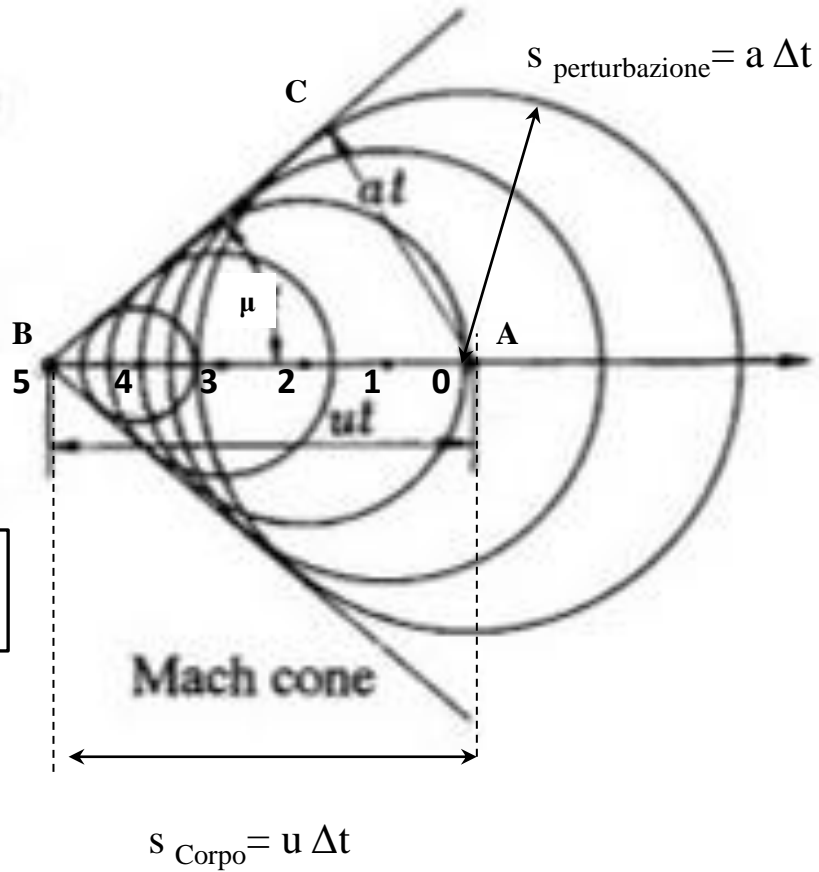
$$M < 1, u < a$$



$$M=1, u = a$$

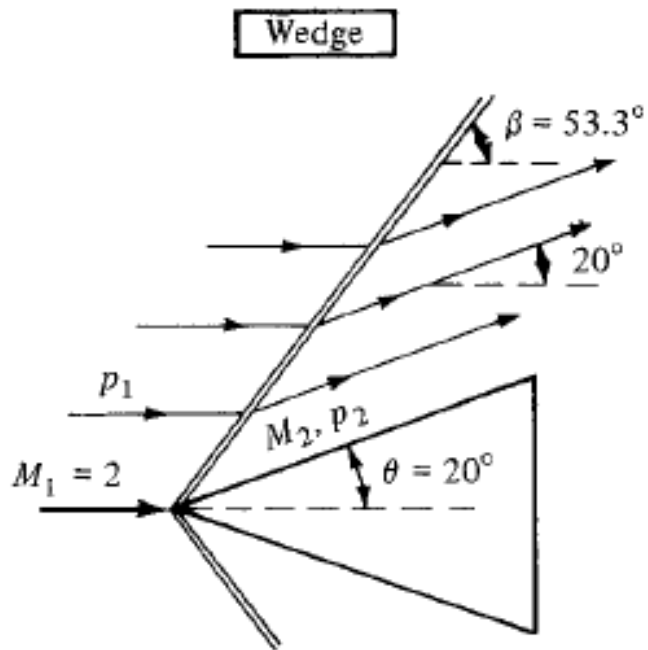


$$M > 1, u > a$$

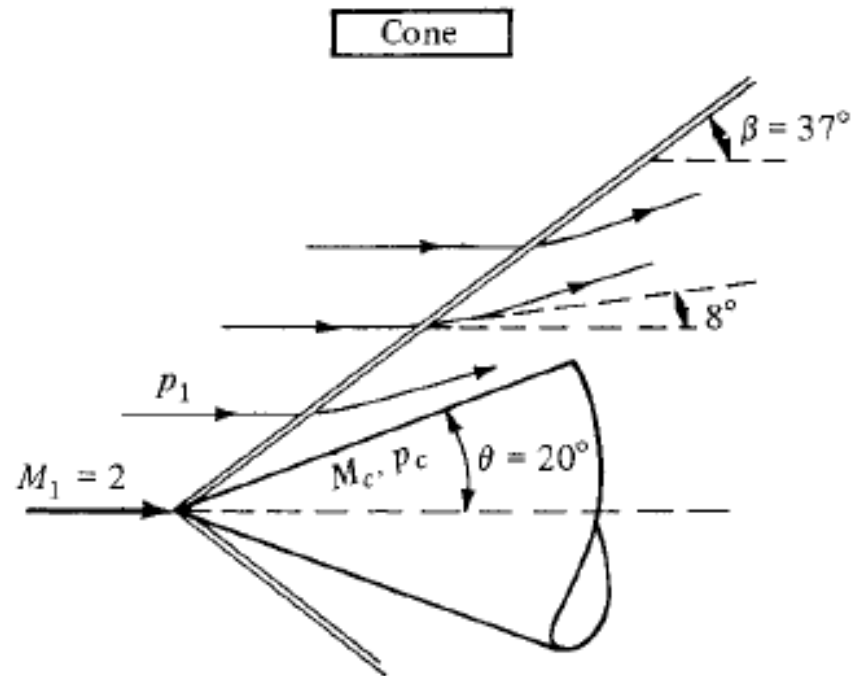


$$s_{\text{Corpo}} > s_{\text{Perturbazione}}$$

2D

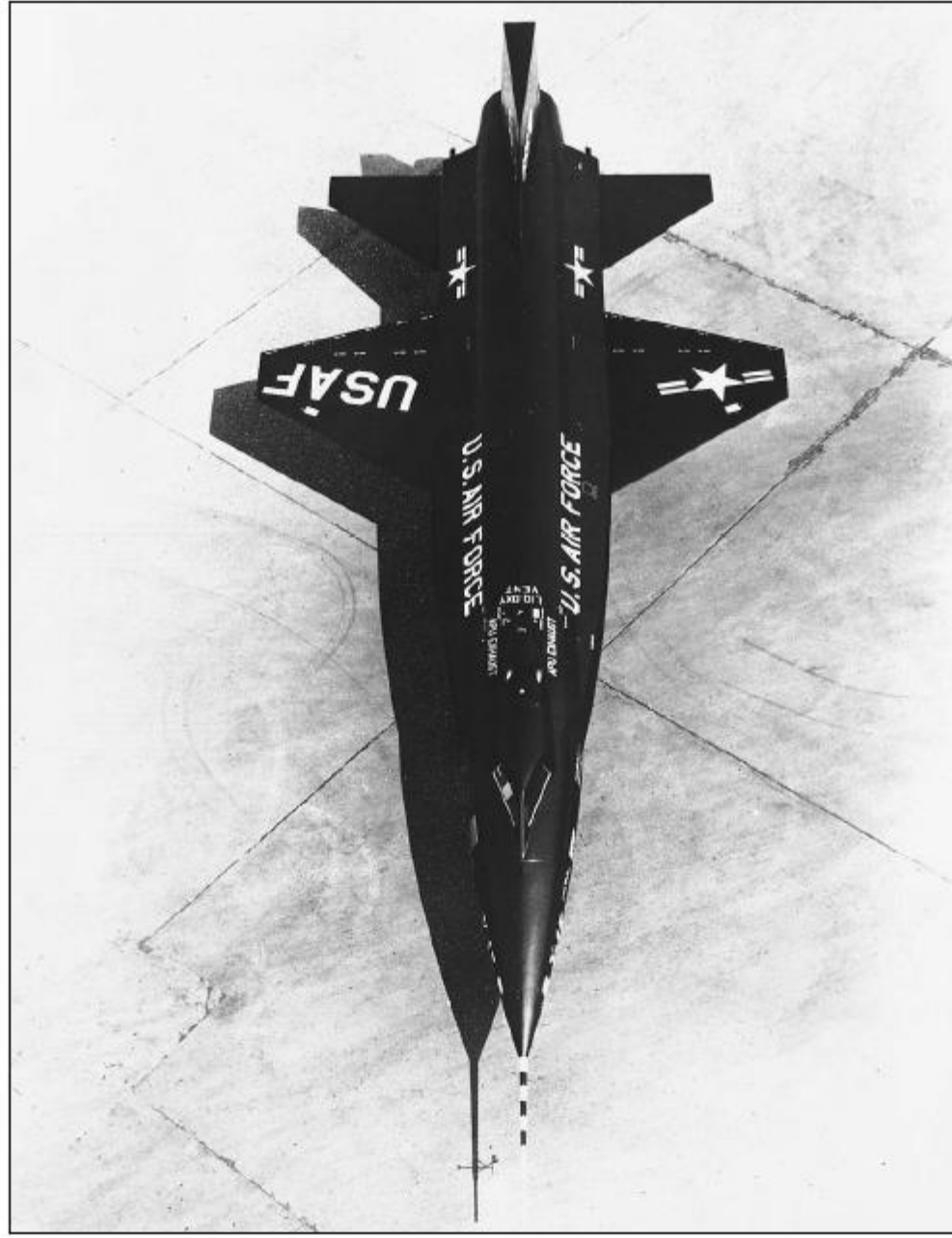


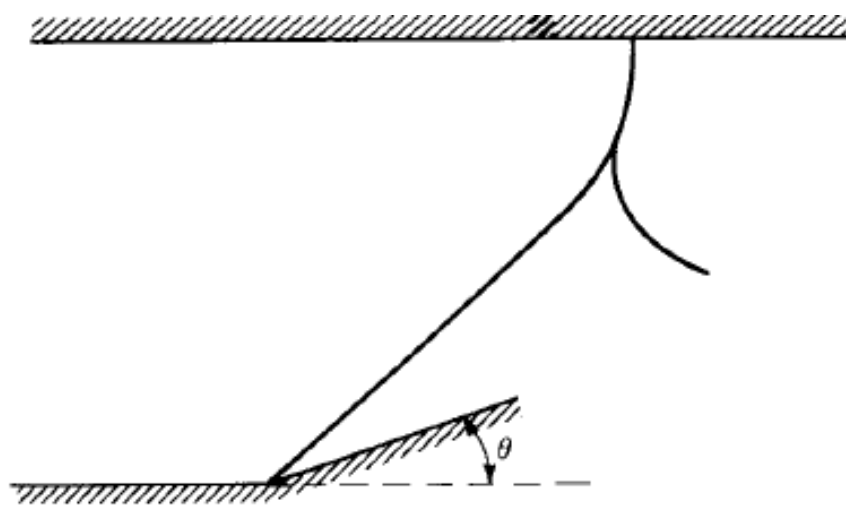
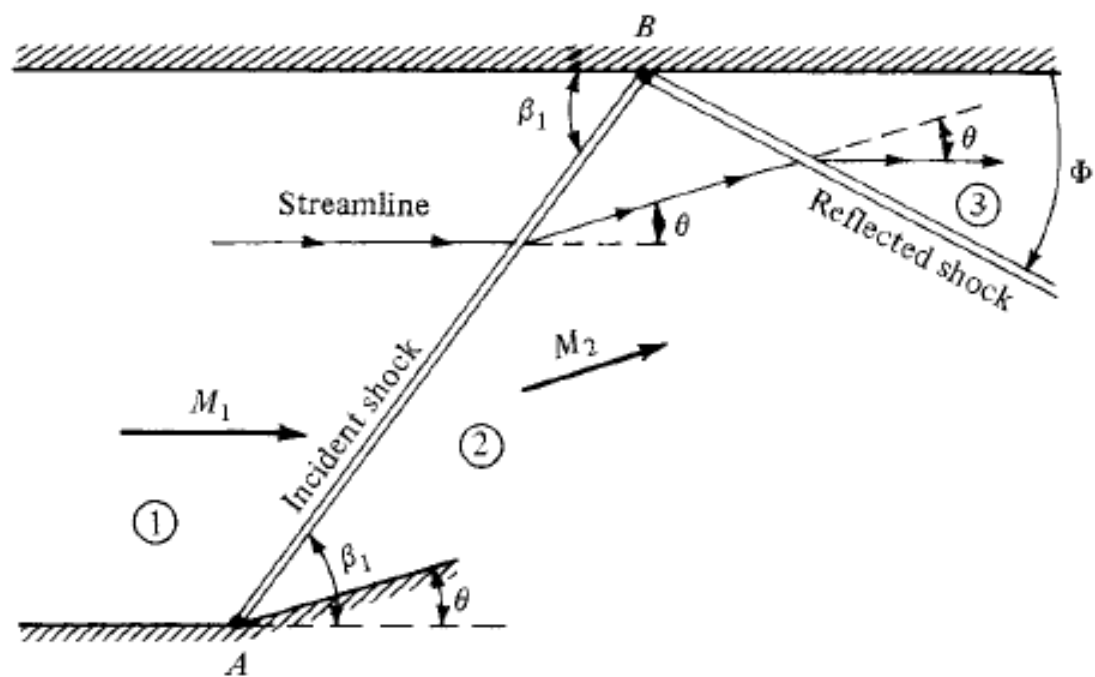
3D

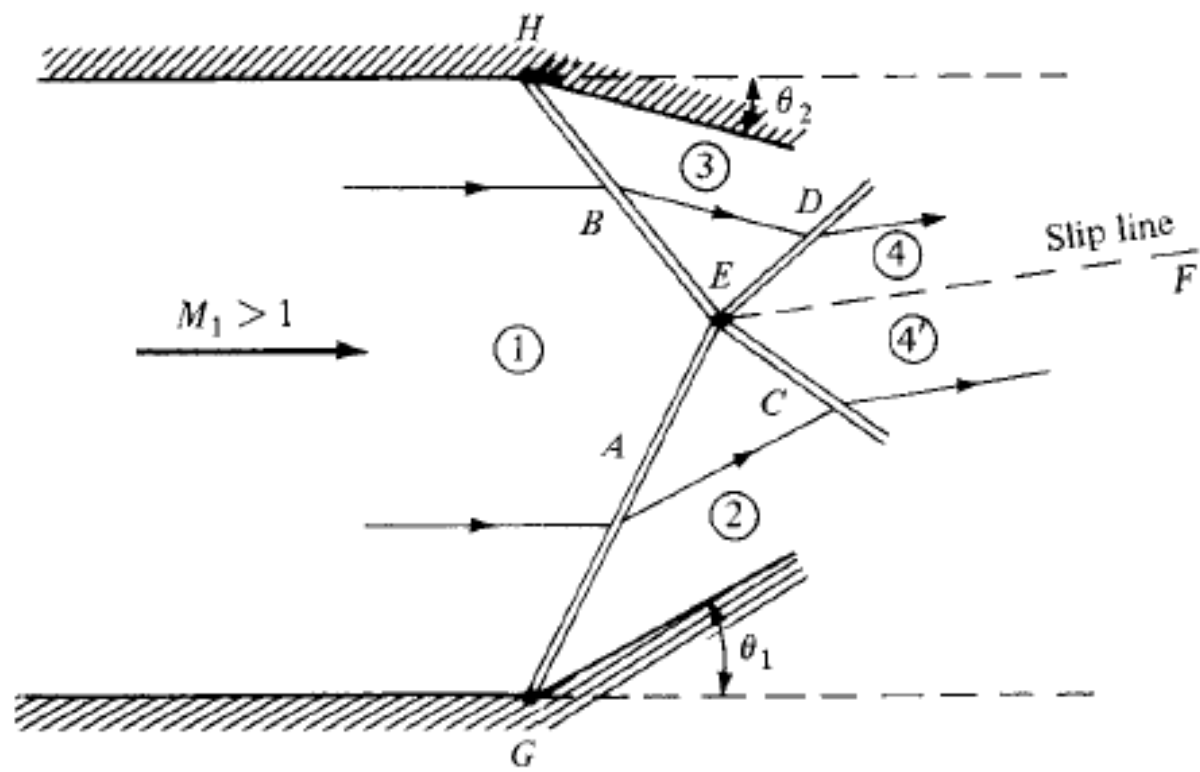


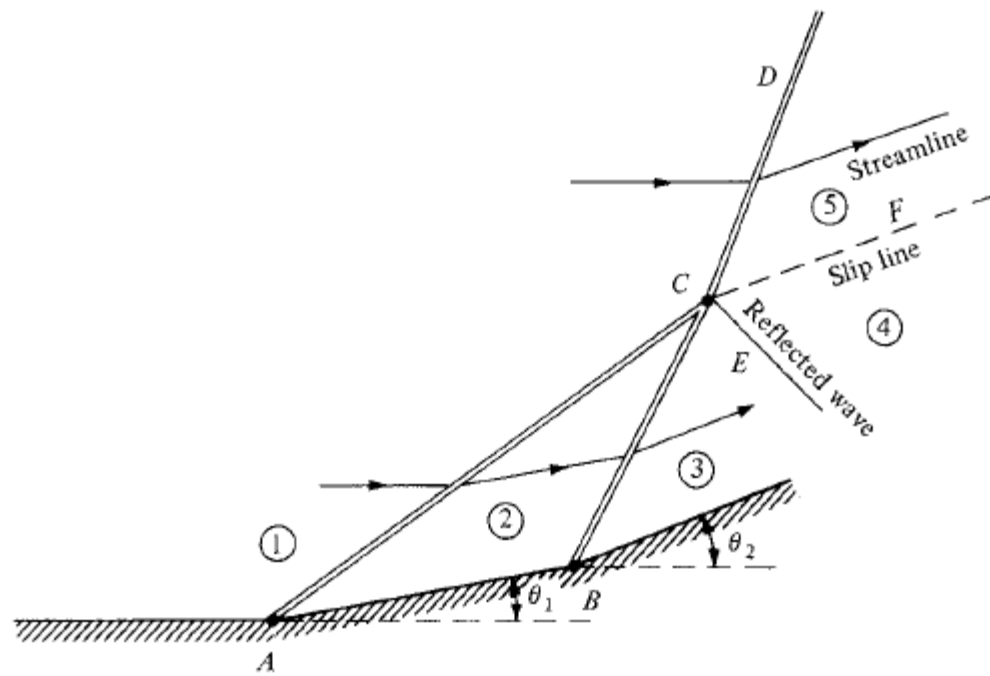
Supersonic conical flow

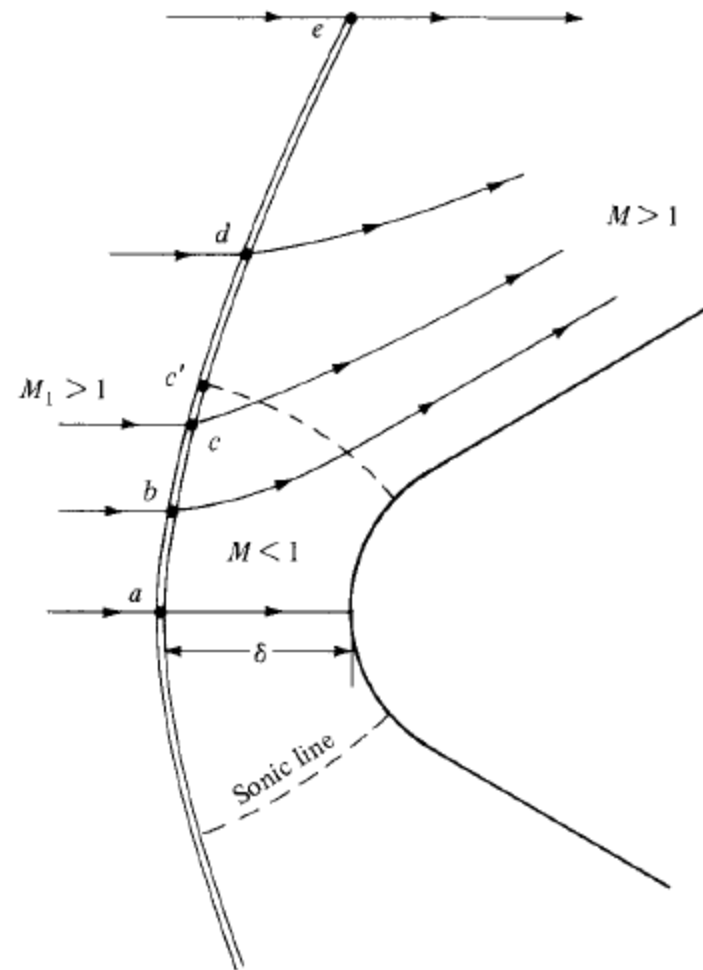
Anderson, John D., Jr.: *Modern Compressible Flow: With Historical Perspective*, 3d ed., McGraw-Hill Book Company, New York, 2003.

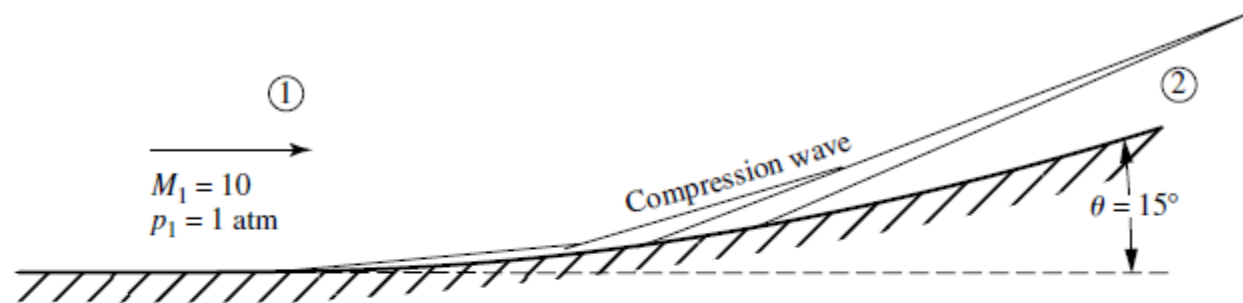




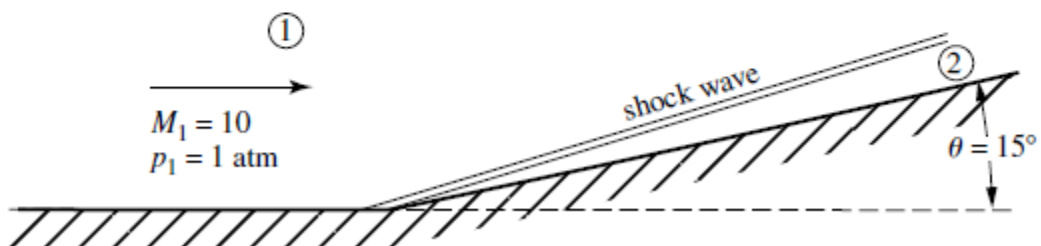








(a) Isentropic compression corner



(b) Shock compression corner

